



Sheet \_1\_ of \_1\_

			Sileet 1 Of 1	-WED
	FORM PTO-1449 U.S. DEPARTMENT OF COMMEI		08472/704002 REC	EIVED
(MODIFIED)	PATENT AND TRADEMARK OFF	Serial No.	08/908,453 A\\G	1 5 2002
		Applicant .	Gary Ruvkun et al.	1 con 12900
	INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Filing Date	Gary Ruvkun et al.  August 7, 1997 TECH CE	MEH 10001500
	(Use several sheets if necessary)	Group	1632	
(37 C.F.R. §1.9	8(b))	IDS Filed	August 5, 2002	
	OTHER DOCUMENTS (INCLUDING AUTHOR, TI	TLE, DATE, PLACE OF PUBL	ICATION)	
RRS	Friedman et al., "A Mutation in the age-1 Gene in Cae Hermaphrodite Fertility", Genetics, 118: 75-86, (1988)		ns Life and Reduces	
	Hodes et al., "Longevity Assurance Genes: How Do T (1996)	They Influence Aging and Life	Span?", <i>JAGS</i> , 44: 988-991,	
	Johnson et al., "Comparing mutants, selective breedin Caenorhabditis elegans", Genetica, 91: 65-77, (1993)	ng, and transgenics in the diss	section of aging processes of	
	Lithgow et al., "Molecular genetics of Caenorhabditis 17:144, (1993)	elegans life span*, Journal of	Cell. Biochem. Suppl.,	·
	Murakami et al., "A Genetic Pathway Conferring Life Belegans", Genetics, 143: 1207-1218, (1996)	Extension and Resistance to U	JV Stress in Caenorhabditis	
	Hu et al., "Cloning of a novel ubiquitously expressed b No: P42338,(1995)	human phosphatidylinositol", L	Database Online, Accession	
	Swinburne, "The C. elegans Sequencing Consortium"	, Database Online, Accession	No. Z66519, (1995)	
pres 1	Whitman et al., "Type I phosphatidylinositol kinase ma phosphate", <i>Natur</i> e, 332: 644-646, (1988)	akes a novel inositol phospho	lipid, phosphatidylinositol-3-	
			·	
				4
				4
				-
			<del></del>	
		~ I.	1 1-2	]
EXAMINER	RO3 DA	TE CONSIDERED	603	,
EXAMINER: In form with the n	itial citation considered. Draw line through citation if no ext communication to applicant.	ot in conformance and not cor	nsidered. Include copy of this	

Pete Para & 2120/06



Sheet \_\_1\_\_ of \_\_1\_\_

SUBSTITUTE (MODIFIED)	SUBSTITUTE TRANSPERS 449 U.S. DEPARTMENT OF COMI				Attorney Docket No.		08472/704002		
(MODIFIED)	PATENT AND TRADEMARK O			COFFICE	Serial No.		08/908,45	08/908,453	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT					Applicant		Gary Ruvkun et al.		
		sheets if neces			Filing Date		August 7,	1997	
(37 CFR §1.98	(b))				Group		1632		
			U.S. PA	TENTS					
Examiner's Initials	Patent Number	Issue Date	F	Patentee		Class	Subclass	Filing Date (If Appropriate)	
			•						
	•								
	FORE	IGN PATENT C	OR PUBLISHED	FOREIGN	PATENT AF	PLICATIO	N		
	Document Number	Publication Date		Country or stent Office		Class	Subclass	Translation (Yes/No)	
3	US97/13914	09/27/97	PCT SEARCH	1 REPORT					
	OTHER DOCU	MENTS (INCL	JDING AUTHO	R, TITLE, C	DATE, PLACE	OF PUBL	ICATION)		
(18)	Bernard, V. et al. kinase (VPS34)	., Experientia, \	/ol. 52, page A3	37, abstract	S10-47, The	C. elegan	s phosphatic	lylinositol 3-	
(S)	Tedesco, P.M. et al., 'Cloning a gene for life-extension in <i>Caenorhabditis elegans</i> ,' abstract, UCLA Symposium on Molecular and Cellular Biology, New Series, 1990, Vol. 123, pages 3-17, database CAPLUS on STN, Institute of Behavioral Genetics, (Boulder, Colorado, USA)								
8/	Morris, J.Z. et al., member regulation					htidylinosite	ol-3-OH kina	se family	
d	Malone, E.A. et a daf-28 and age-1		•		•	205, Genet	ic analysis o	f the roles of /	
EXAMINER	n			DATE CO	NSIDERED	8/16	197		
EXAMINER: In	EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this								

08472.704002 PCT PTO-1449.wpd

Peteraus Hadol

Revised: 27 January 1997

. /	OIPE	
19	SEP 2 5 1998 (S)	
	A TRADEMARK OFFICE	

Sheet \_\_1\_\_ of \_\_1\_\_

SUBSTITUTE FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (MODIFIED) PATENT AND TRADEMARK OFFICE			Attorney Docket No.		08472/704002		
(MODIFIED)	Serial No.		08/908,45	08/908,453			
	Applicant		Gary Ruv	Gary Ruvkun et al.			
	Filing Date		August 7,	1997			
(37 CFR §1.98	3(b))			Group		16:37	/
<u> </u>			U.S. PATENTS	<u> </u>			-
Examiner's Initials	Patent Number	Issue Date	Patentee		Class	Subclass	Filing Date (If Appropriate)
						_	
****							
· ·							
	FORE	IGN PATENT O	R PUBLISHED FOREIGN	PATENT AF	PLICATIO	ON	
	Document Number	Publication Date	Country or Patent Office		Class	Subclass	Translation (Yes/No)
				·		DE	<del>OEN/P</del> r
							CEINE
							28 1999
						G	ROUP 150
	OTHER DOCL	JMENTS (INCLU	DING AUTHOR, TITLE, [	DATE, PLACE	OF PUB	LICATION)	
B	Alberts et al., Mo pages 258-266,	olecular Biology o 1989	of the Cell, Second Edition	n. New York:	Garland P	Publishing, In	c.,
							<u> </u>
	<del> </del>						
						-	
							•
						<del></del>	
EXAMINER	<u>.</u>	00	DATE CO	ONSIDERED	ଷ୍ଠୀ।	6/98	<del></del>
		19T					



Sheet \_\_1 of 3

CUIDOTTO							··	
(MODIFIED	TE FORM PTO-1449 ))	9 U.S. DEPAR PATENT AN	RTMENT OF COMMERCE ND TRADEMARK OFFICE	Attorney Dock	et No.	08472/7	04002	
				Serial No.		08/908,4	153	
	INFORMA' STATEME	ΔNT	Applicant		Gary Ru	Gary Ruvkun et al.		
/27 CED 64		sheets if neces	ssary)	Filing Date		August 7	, 1997	
(37 CFR §1.	98(D))			Group		163	1632	
		·	U.S. PATENTS			<u></u>		
Examiner's Initials	Patent Number	Issue Date	Patentee	Cla	ass.	Subclass <sup>-</sup>	Filing Date	
							(If Appropriate)	
					-			
					-+			
	FORE	GN PATENT OF	R PUBLISHED FOREIGN P	AZENZ ADDILIO				
	Document	Publication	Country or					
	Number	Date	Patent Office	Clas	ss s	Subclass	Translation (Yes/No)	
		<del></del>						
- /1	OTHER DOCUM	ENTS (INCLUD	ING AUTHOR, TITLE, DAT	E, PLACE OF P	UBLIC	ATION)		
w 1	Doman, J.B. et al.,	Genetics, 141(4	4), 1399-1406 (1995)					
ns	Gottlieb, S. et al., G Controlling Dauer F	enetics, 137, pp ormation in Cae	). 107-120 (1994), daf-2, da norhabditis elegans	f-16 and daf-23:	Geneti	cally Interac	cting Genes	
n			273, pp. 54-59 (1996), Long					
7	Kenyon, C. et al., N	ature. 366. pp. 4	61-464 (1992)	Jevity, Genes, an	d Agin	9		
/ 1	Kenyon, C., Cell, 19			<del></del>				
AMINER	ส	~	. DATE CONSI	DERED 816	199	<b></b>		
AMINER: Inition	al citation considered	J. Draw line thro	ough citation if not in confor	- [ ]	1//	red Includ	in copy of this	
	The state of the s	applicant.					C Supy of this	

Pete Para 2/6/06

MAR 0 9 1998

						Sheet 2	of 3	
SUBSTITUTED	BSTEATE FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE					08472/7	08472/704002	
				Serial No	).	08/908,4	53	
	STATEME	TION DISCLOSE NT BY APPLICA	ANT	Applicant	ł	Gary Ru	vkun et al.	
	(Use several	sheets if neces	ssary)	Filing Da	te	August 7	August 7, 1997	
(37 CFR §1.9	98(b))			Group		163	iV	
	· · · · · · · · · · · · · · · · · · ·	<del></del>	U.S. PATENTS					
Examiner's Initials	Patent Number	Issue Date	Patentee		Class	Subclass	Filing Date (If Appropriate)	
	<del> </del>			····				
	<u> </u>							
	1	IGN PATENT O	R PUBLISHED FOREIG	N PATENT A	PPLICATIO	N		
	Document Number	Publication Date	Country or Patent Office	)	Class	Subclass	Translation (Yes/No)	
	<del> </del>							
<del></del>								
							•	
<del></del>								
	OTHER DOCUM	AENTS (NIS)						
av/			DING AUTHOR, TITLE, I		OF PUBL	ICATION)		
90/			5328): pp. 942-946 (199	<u>')</u>				
2	Larsen, P.L. et al., <i>Genetics</i> , 139, pp. 1567-1583 (1995)  Larsen, P., <i>Proc. Natl. Acad. Sci.</i> , 90, pp. 8905-8909 (1993)							
0			pp. 1319-1322 (1997)	)		<del></del>		
7	Ogg, S. et al., Natu							
EXAMINER		m	<del></del>	NSIDERED	જીાલ	<b>1</b> 9		
EXAMINER: Inition of the ine	tial citation consider	ed. Draw line the applicant.	prough citation if not in co	nformance a		. ,	ide copy of this	

Pote Pains - 2/6/06

MAR 0 9 1998 29 33

Sheet \_\_3\_\_ of \_\_3\_\_

		<u>~~~</u>						
SUBSTITUTE FORM PAGE U.S. DEPARTMENT OF COL					Attorney D	ocket No.	08472/704002	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					Serial No.		08/908,453	
		ON DISCLOSU			Applicant		Gary Ruv	kun et al.
		sheets if neces		i	Filing Date		August 7,	1997
(37 CFR §1.98	(h))				Group		163	V
(0) (1) (31.50	(0))		<del></del>		Gloup	·	10,	
		<del></del>	U.S. PATE	NTS				
Examiner's Initials	Patent Number	Issue Date	Pate	entee		Class	Subclass	Filing Date (If Appropriate)
							- <del>-</del>	
	FORE	IGN PATENT C	R PUBLISHED FO	DREIGN	PATENT AF	PLICATIO	N	
	Document	Publication		ntry or t Office		Class	Subclass	Translation
	Number	Date	Paten	Conice				(Yes/No)
						,		
	. <u></u>	<u> </u>						
	OTHER DOCU	MENTS (INCLU	JDING AUTHOR, T	ritle, D	ATE, PLACE	OF PUBI	.ICATION)	
an/	Okada, T. et al.,	J. Biol. Chem.,	269, pp. 3563-3567	(1994)				
38	Thelen, M. et al.,	Proc. Natl. Aca	d., Sci. 91, pp. 496	0-4964	(1994)			
B/	VanFleteren, J.R.	, J. Biochem., 2	292, pp. 605-608 (1	1993				
7/	Vowels, J.J. et al.	, Genetics, 130	), pp. 105-123 (199)	2)				
EXAMINER	m		DA	ATE CO	NSIDERED	87 161	77	
	itial citation conside		through citation if r	not in co	nformance a	and not cor	sidered. In	clude copy of this

Peterana 2 26/86